Amendment of the Claims

This listing of claims will replace all prior versions and listings of claims in the application. Please amend claims 2-7 and replace the same with the following new claims:

1. (Original) A system for transmitting voice and data signals over a network circuit comprising:

a customer premises extension device for receiving and transmitting voice and data signals; wherein said signals are fragmented in accordance with an associated transmission rate;

at least one subscriber loop operatively connected to said customer premises extension device; and

a digital subscriber loop access component for receiving said voice and data signals and operatively connected to said subscriber loop.

2. (New) A system capable of transmitting voice and Ethernet data signals over a network circuit; said network circuit having a line rate; said system comprising:

an Ethernet physical layer interface for connecting a Subscriber Premise device between an Ethernet LAN and said network circuit for providing packets representing Ethernet data signals to said network circuit;

a telephone line interface for connecting standard telephone line equipment to said network; said telephone line interface containing a CODEC that digitizes analog signals for transmission of packets to said network;

a fragmenting device containing a software algorithm rendered effective by the presence of packets from said telephone line interface for fragmenting Ethernet data signals into labeled packets interspersed with said packets from said telephone line interface as it passes there through; said labeled packets having a fragment packet size determined by said line rate.

3. (New) The system as defined in claim 2 in which said fragment packet size is stored in a table of values.